



# PSO 2017 Onwards

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### B. A. HISTORY MODEL I

PSO No.	OUTCOME
PSO1	To evolve a strong theoretical base to understand various issues and trends in social sciences
PSO2	Develop progressive and humanistic approach to socio-cultural and political problems
PSO3	Inculcate moral and ethical values among students
PSO4	Develop a reverent awareness of the achievements of ancient and contemporary societies
PSO5	Develop a sense of self-esteem and confidence and mold good citizen
PSO6	Understand the socio-economic and political changes in pre-colonial and modern Kerala
PSO7	Inculcate patriotism and nationalism through catering the ethos of national movement
PSO8	Develop a world view of peace, harmony and toleration footing on the historical roots of the modern world
PSO9	Understand the deliberate efforts in historiography to distort and misinterpret history for achieving political ends
PSO10	Evaluate the transformation of Indian polity in the pre-colonial and post-colonial period
PSO11	Understand the concept of gender and its socio-historical constructions in India
PSO12	Analyze different economic systems and their developments in international context
PSO13	Enrich creative and critical thinking skills in social science
PSO14	Help the student to contribute in the field of historical research by synthesizing historical facts
PSO15	Understand the principles and methods of Archaeology

## B.A. ECONOMICS MODEL I

<b>PSO No.</b>	<b>OUTCOME</b>
PSO1	Analyse real life problems from an economic perspective and find solutions to it.
PSO2	Compare and contrast various economic policies framed by the authorities and give suggestions for improvement.
PSO3	Develop entrepreneurial skills that ensure confidence and a sense of self-reliance.
PSO4	Judge the current economic situation by looking at the market movements and make investment decisions accordingly.
PSO5	Develop a strong base in subject knowledge that ensure admission in well rated institutions for higher studies.
PSO6	Create communication skills especially on economic matters that enable them to grab good employment opportunities.
PSO7	Use research skills acquired through pedagogical strategies and field surveys for reaching new heights in Economics
PSO8	Create civic consciousness, a sense of environmental concern and passion towards fellow beings.
PSO9	Use the quantitative knowledge for securing good jobs in banks and similar institutions.

### B.A. SOCIOLOGY MODEL I

PSO No.	OUTCOME
PSO1	Understand the evolution of major sociological concepts
PSO2	Understand key sociological concepts and theories
PSO3	Understand and critique sociological theories
PSO4	Understand the various methodological tools used in deciphering social reality
PSO5	Analyse contemporary social issues from a sociological perspective
PSO6	Understand the features of Indian society
PSO7	Apply research methods in research studies.
PSO8	Create a research project to study a contemporary social problem and produce research outcomes
PSO9	Analyse various developmental and environmental issues through theoretical understanding
PSO10	Understand and evaluate human rights issues in contemporary society

**B.A. ENGLISH MODEL I**

<b>PSO No.</b>	<b>OUTCOME</b>
PSO1	Define Historicity and Contemporaneity of Language and Literature
PSO2	Describe how daily activities and affairs are linked with social and cultural activities
PSO3	Implement linguistic and communicative abilities.
PSO4	Deconstruct cultural conventions and attribute novelty in research
PSO5	Evaluate and rationally critique literary texts
PSO6	Generate Alternate Styles of Writing
PSO7	Compare and contrast English Literatures across the world
PSO8	Enable students to improve their overall Communication and writing skill required for various job opportunities.
PSO9	Understanding the basic concept of psychology as a scientific discipline

### B. A. ENGLISH MODEL II

PSO No.	OUTCOME
PSO1	Define Historicity and Contemporaneity of Language and Literature
PSO2	Describe how daily activities and affairs are linked with social and cultural activities
PSO3	Implement linguistic and communicative abilities.
PSO4	Deconstruct cultural conventions and attribute novelty in research
PSO5	Evaluate and rationally critique literary texts
PSO6	Generate Alternate Styles of Writing
PSO7	Compare and contrast English Literatures across the world
PSO8	Understand basic accounting concepts and enable students to prepare the financial statements of business organizations.
PSO9	Enable students to improve their overall Communication and writing skill required for various job opportunities.
PSO10	Enhanced Knowledge on Office Management

### B.Sc. MATHEMATICS MODEL I

PSO No.	OUTCOME
PSO1	To understand the fundamental concepts of mathematics and to develop deep interest in Mathematics and its allied areas.
PSO2	To understand mathematics as a language which can be used for all scientific studies.
PSO3	To enrich problem solving, computational, mathematical reasoning skills.
PSO4	To apply various theories and concepts in mathematics to solve, analyze, practical problems.
PSO5	To prepare the students to pursue higher education in mathematics by improving their abstract mathematical and statistical skills.
PSO6	To understand the basics of summarizing the data and deduct conclusions about the large group based on the proportion of the group.
PSO7	To enable students to describe the various concepts in mathematics and effectively communicate and interact among a diverse set of audience.
PSO8	Understanding the basic statistical distribution and model probability associated with some practical scenarios.

**B.Sc. PHYSICS MODEL I**

<b>PSO No.</b>	<b>OUTCOME</b>
PSO1	Understand basic concepts of different branches of Physics like, thermodynamics, Classical and Quantum Mechanics, and electrodynamics.
PSO2	Apply the principles of Physics in day to day life.
PSO3	Develop the expertise in operating different electrical, electronic, optical, and mechanical instruments
PSO4	Develop the skills in performing, analyzing and documenting laboratory experiments.
PSO5	Develop analytical thinking and problem solving skills.
PSO6	Equip students for their future careers by inculcating the qualities of accuracy, clarity of thought and expression, and systematic approach.
PSO7	Develop awareness regarding the need for eco-friendly and sustainable technological use.

**B.Sc. CHEMISTRY MODEL I**

<b>PSO No.</b>	<b>COURSE OUTCOME</b>
PSO1	Understand primary concepts of Organic, Inorganic, Physical, Environmental, Analytical and Polymer Chemistry.
PSO2	Identify and analyse organic and inorganic compounds using conventional and micro scale methods.
PSO3	Understand the evolution of Chemistry.
PSO4	Interpret analytical data in terms of graphical data and statistical treatment.
PSO5	Solve problems based on concepts in Physical Chemistry.
PSO6	Design small research problems as an initiative to create research interest in students.
PSO7	Implement safety measures in laboratories.
PSO8	Clarify the civil, political, economic, social and cultural rights.
PSO9	Use concepts, tools and techniques related to Mathematics and Physics to acquire required knowledge and its application in Chemistry.
PSO10	Organize and deliver relevant applications of knowledge through effective written, verbal, graphical/virtual communications and interact productively with people from diverse backgrounds.

**B.Sc. BOTANY MODEL I**

<b>PSO No.</b>	<b>OUTCOME</b>
PSO1	Understand the universal nature of plant science, exemplify different types of classification in living kingdom, and develop basic skills to study Botany. Understand the world of microorganisms and adaptive strategies. Discuss the economic and pathologic importance of microorganisms.
PSO2	Summarize the evolutionary importance of Algae and Bryophytes. Illustrate the external morphology, internal structure and reproduction of different types of Bryophytes and Algae. Apply Phycology in different fields. Extrapolate current development in the field of Biotechnology and Bioinformatics. Instantiate students in micro propagation techniques. Carry out DNA isolation.
PSO3	Interpolate the diversity in habit, habitat and organization of different groups of plants. Remember the modern classification in lower forms of plants. Understand the evolutionary trends in Pteridophytes and Gymnosperms. Understand the significance of Palaeobotany. Understand the anatomy and structural adaptations of Angiosperms. Instantiate the morphology and development of reproductive parts in Angiosperms. Identify the reproductive structures in Angiosperms.
PSO4	Implement students to conduct independent research and prepare research reports. Illustrate different tools and techniques used in research work. Discuss basic computer skills necessary for research. Generalize students to have enough numerical skills for research. Understand plants with immense economic importance. Clarify floral features of different Angiosperms. Identify the common species of plants growing in Kerala and their systematic position. Understand the scope and significance of Ethnobotany and different plants used in daily life by tribal.
PSO5	Subsume an insight into the principles of heredity. Illustrate the methods of crop improvement. Discuss the importance of horticulture. Execute the skills in gardening. Analysis of pedigree. Compute allelic frequencies. Calculate recombination frequencies and determination of map distances. Understand the ultra-structure and functioning of cell in sub microscopic and molecular level. Identify different stages of Mitosis and calculate Mitotic index. Identify and study the

	chromosomal anomalies. Abstract cytological aspects of growth and development. Carry out elementary problems on DNA structure, replication, transcription and Genetic code.
PSO6	Describe basic skills and techniques related to plant physiology. Illustrate basic knowledge about plant functioning. Interpolate role, structure and importance of biomolecules in plant life. Abstract the significance of environmental science. Exemplify about the extent of the total biodiversity and the importance of their conservation. Discuss various kinds of pollution in the environment and their control measures. Monitor about various environmental laws in India and the role of various movements in the protection of nature. Understand basic human rights. Determine CO <sub>2</sub> , Cl and alkalinity of water samples. Calculation of pH of soil and water samples. Calculate abundance and frequency of plant species by quadrature methods.
PSO7	Understand the business opportunities in the field of Plant Science. Recognize different types of ornamental gardening, nursery management and mushroom cultivation. Generalize sustainable agriculture and organic farming.

**B.Sc. BOTANY MODEL I**

<b>PSO No.</b>	<b>OUTCOME</b>
PSO1	Understands the general perspectives in basic sciences, distribution and classification of animals, salient features, structure, organization, diversity and interactions with their environment.
PSO2	Understand the internal structure of cell, functions of cell organelles and correlates the physiological and biochemical aspects of animal as well as human body.
PSO3	Understands the complex evolutionary history of origin of life, animal phylogeny, animal behavior, ecological concepts, importance of biodiversity, environmental protection and conservation of nature and natural resources.
PSO4	Understands the concepts of heredity and variations, genetic disorders and its application in human traits, human reproduction and assisted reproductive technologies and reproductive health.
PSO5	Apply the knowledge of apiculture, vermicomposting, aquaculture and animal breeding to carry out self employment, entrepreneurship and development of small scale industries.
PSO6	Develops practical skills in the areas of biochemistry, physiology, biotechnology genetics, microbiology, developmental biology, bioinformatics, taxonomy, applied zoology and ecology.
PSO7	Apply their knowledge to carry out research in biology, biological data management and generation of data bank for uploading of nucleotide sequences.
PSO8	Designs and constructs novel plans for dealing emerging diseases, pollution, water scarcity, natural disasters and resource management.
PSO9	Contributes and evaluates their knowledge about environment and its sustainability, its relation to human kind ,agriculture, medicine and sociobiology in nation building.
PSO10	Understand the importance of maintaining good physical, mental and social health and to apply different strategies such as balanced diet, life skill education and safety education in day-to-day life.

## B.Sc. FAMILY AND COMMUNITY SCIENCE MODEL I

PSO No.	OUTCOME
PSO1	To understanding the extension education in the field of nutrition and health, Women and child development, apparel and fabric design, resource management and public awareness with a view to better family and community living.
PSO2	To understand how to handle family and individual well- being according to their financial, psychological, biological, cultural and social health.
PSO3	Apply skills to improve every facet of your home life – food, clothing, health, childcare, personal finance, religion, culture, arts, home beautification, etc.
PSO4	Basic knowledge of the process of teaching, networking and developing educational materials based on innovative, interactive and Participatory communication strategies.
PSO5	Focus on professional training and skill enhancement in order to provide and widen employment opportunities for women through a Continuously updated curriculum.

### B.Com. FINANCE AND TAXATION MODEL I

PSO No.	OUTCOME
PSO 1	To recognize features and roles of businessmen, entrepreneurs, managers etc which will help to possess knowledge about the modern era of Commerce and to manage the business effectively
PSO 2	To enable a student to be capable of making decisions at personal and professional level.
PSO 3	To demonstrate progressive learning of various tax issues and tax forms related to individuals.
PSO 4	To integrate skill, knowledge and attitude that will sustain an environment of learning and creativity among students.
PSO 5	To create a strong foundation of knowledge in different areas of Commerce.
PSO 6	To enrich the students with communication, ethical values, team work, professional and leadership skill.
PSO 7	To prepare the students to enter Masters Programme like M. Com, MBA and pursue professional Programme like CA, CMA, CS etc.
PSO 8	To familiarize the students to Indian Financial markets.
PSO 9	To Increase the awareness about environment resources, issues and problems and the prevailing human rights laws in India.
PSO 10	To make the student competent enough to apply the financial accounting rules to create, develop, analyze and interpret balance sheet, income statement and cost statement.

### B.Sc FOOD SCIENCE AND QUALITY CONTROL MODEL III

PSO No.	OUTCOME
PSO1	Understand the multidisciplinary sciences involved in Food , Safety and its Management and related subject enrichment.
PSO2	Develop practical skills in laboratory knowledge and skills in basic food chemistry, microbiology and analysis of foods at basic and advanced levels
PSO3	Develop Communication skill and critical thinking, Industrial skill, within the job training and industrial projects in reputed food industries , food certification programmes.
PSO4	Interpretations and explanations of testing methods employed impractical and theory, its levels , accuracy and significance.
PSO5	Generate Skill in handling food related microorganisms , chemicals , personal and consumer safety and implementation of sanitation and hygienic techniques in industry
PSO6	Differentiate concepts, tools and techniques related to statistical analysis, applied zoology , advanced chemistry and its applications in the science of Foods.
PSO7	Creation of Product Formulations As a Basis for Research and Development
PSO8	Understanding environmental issues, Human Rights, Its Over exploitation and its drastic effect on food chain as well as remedial measures to be adopted
PSO9	Basic understanding of management and entrepreneurship as options for start ups.

**B.SC. COMPUTER SCIENCE MODEL III**

<b>PSO No.</b>	<b>OUTCOME</b>
PSO1	Design, Implement, Test And Evaluate A Computer System, Component Or Algorithm To Meet Desired Needs And To Solve A Computational Problem.
PSO2	Create And Understand Different Programming Languages, Basic Theory And Summarise Different recent Technologies.
PSO3	Understand The Principles And Working Of Computer System (Hardware And Software Aspects Of Computer)
PSO4	Analyse And Execute Different Professional And Discipline Aspects.
PSO5	Execute Knowledge Of Probability And Statistics Including Application Appropriate To Computer Science
PSO6	Analyse The Structure Of English Phonetics And Grammar And Also Improve Communication Skills. Improve The Skills Of Food Science And Commercial Aspects Also.

### **B.Com. COMPUTER APPLICATION MODEL I**

<b>PSO No.</b>	<b>OUTCOME</b>
PSO 1	To recognize features and roles of businessmen, entrepreneurs, managers etc which will help to possess knowledge about the modern era of Commerce and to manage the business effectively.
PSO 2	To enable a student to be capable of making decisions at personal and professional level.
PSO 3	To gain knowledge in setting up a computerized set of accounting books.
PSO 4	To integrate skill, knowledge and attitude that will sustain an environment of learning and creativity among students.
PSO 5	To create a strong foundation of knowledge in different areas of Commerce.
PSO 6	To enrich the students with communication, ethical values, team work, professional and leadership skill.
PSO 7	To prepare the students to enter Masters Programme like M. Com, MBA and pursue professional Programme like CA, CMA, CS etc.
PSO 8	To familiarize the students to Indian Financial markets.
PSO 9	To Increase the awareness about environment resources, issues and problems and the prevailing human rights laws in India.
PSO 10	To apply the knowledge of accounting fundamentals to the solutions of complex accounting and management problems.

**B.A. ENGLISH LANGUAGE, COMMUNICATION AND JOURNALISM  
MODEL III**

<b>PSO No.</b>	<b>OUTCOME</b>
PSO1	Recognize as well as identify the relevance of an event by which they can decide on what can be a news and describe it factually.
PSO2	Subsume the rules governing media writing and familiarize them with the intricacies of editing which in turn helps them to describe, categorize and state the occurrences clearly.
PSO3	Express unbiased views on sensitive issues and exhibit sensible and practical solutions in challenging situations.
PSO4	Use of the effective and meaningful interpersonal skills in carrying out activities like interviews, press conferences, panel discussion and so on.
PSO5	Differentiate between the facts and opinions on the political domain, discriminate valid and invalid information regarding social constructs and verify the accuracy as well as the inaccuracy regarding the policies and developmental activities.
PSO6	Find Coherence from various literary theories and compose critical reviews on novels, stories, essays and poetry.
PSO7	Detect appropriate methods for analyzing a work of art or social relevance and document it accurately by which it remains as a credible source of information for future purposes.
PSO8	Detect and judge the social constructs which results in the evaluation of the biased conditions, characteristics and motives of the set standards in the field of media ethics and cultural scenario that shall empower the learner to deconstruct and assert new and accurate methods of writing that shall suffice the demands of the hour
PSO9	Generate alternatives and innovative solutions for social menaces like inequality, crime against children, women and elderly, destruction of nature by designing a hypothesis, planning it and execute which ultimately can produce a change.

### M.Sc. MATHEMATICS

PSO NO.	OUTCOME
PSO1	Develop broad and balanced knowledge and understanding the concepts of Algebra, Analysis, Topology, Differential equations, Number Theory, Optimization Techniques, Probability theory and Discrete Mathematics in detail.
PSO2	Familiarize the students with various mathematical tools of analysis to recognize, understand, interpret, model, solve practical problems and problems in mathematics related sciences.
PSO3	To develop skills of mathematical abstraction, creativity, independent learning in understanding as well as interpreting different areas in Mathematics.
PSO4	Enhance the ability to apply the mathematical knowledge and skills acquired to solve specific theoretical concepts/problems in Mathematics.
PSO5	To enhance programming skills to understand different mathematical programming software's and develop skills to solve problems using different programming packages.
PSO6	Provide students sufficient knowledge and skills enabling them to undertake Independent multidisciplinary research and further studies in mathematics and its allied areas.
PSO7	Acquire the knowledge and skills to engage and communicate the fundamental concepts of Mathematics and other allied areas to a wide spectrum of audience.
PSO8	Encourage the students to develop a range of generic skills helpful in employment, internships and social activities.

## M.A. ENGLISH

PSO No.	OUTCOME
PSO1	Understand the origin, development and evolution of language and literature through the ages.
PSO2	Appreciate the characteristics of individual literary works
PSO3	Analyse how literature critically interacts with its historico-socio-politico-cultural contexts.
PSO4	Develop complex reading, writing, and research skills
PSO5	Compare and contrast different and varied literary texts and studies and examine the diverse point of views.
PSO6	Design and develop creative ideas in content development, creative visualizations, translations and publishing.

## M.Sc HOME SCIENCE -CHILD DEVELOPMENT AND BEHAVIOUR SCIENCE

PSO No.	OUTCOME
PSO1	Demonstrate a sound research based knowledge of physical, socio-emotional intellectual, and language development of normal children and children with special needs.
PSO2	Aware of the recent trends in research in child development with development of affinity for research and carry out research in the area of child and adolescent development
PSO3	Acquaint on the theories of child development from different perspectives and application of theories to face challenges faced in educational and care settings.
PSO4	Have the capacity to provide awareness to all stake holders on all matters related to child development, utilising sound communication skills to ensure appropriate interaction and outcome.
PSO5	To be an empathetic and reflective listener, especially within a counselling setting.
PSO6	Demonstrate the capacity to develop, implement and evaluate programmes and interventions for the development of children and adolescents.
PSO7	Ability to work with children at risks, children with development delays, children with special needs.
PSO8	Have knowledge on the mental health needs at different stages of child development, with special reference to adolescent issues and the strategies to promote.
PSO9	An accomplished communicator, independent learner, flexible team worker

### **M.Com. FINANCE & TAXATION**

<b>PSO No.</b>	<b>OUTCOME</b>
PSO 1	Inculcating managerial skills and theoretical knowledge for managing business units with special focus on functional areas of business and management
PSO 2	Imparting advanced accounting knowledge and skills and provide awareness regarding latest developments in the field of accounting
PSO 3	Enabling learners to acquire advanced theoretical knowledge on research methods and techniques and also developing capabilities in the application of research in solving business related problems.
PSO 4	Acquisition of expertise in specialised fields like finance, taxation, accounting, marketing and management
PSO 5	Developments of quantitative aptitude and analytical skills of the learner
PSO 6	Facilitating learner to pursue career in professional areas of commerce and management such as taxation, accounting, financial services, consultancy etc
PSO 7	To understand the impact of environment in business and to gain knowledge about the corporate governance in business
PSO 8	Detailed view about the international environment in which transactions are carried out and to get a comprehensive knowledge about the ways and means of raising international finance.
PSO 9	Familiarising the financial market, its instruments & making the students capable of analysing the financial market

**MSW**

<b>PSO No.</b>	<b>OUTCOME</b>
PSO 1	Demonstrate the professional knowledge of social work methods interdisciplinary foundations theories and methods
PSO 2	Demonstrate models, competencies and skills in the practice with individual, families and groups
PSO 3	Demonstrate all components of leadership and administration in the practice
PSO 4	Produce the ability in analyzing ,evaluating public policies and programmes
PSO 5	Create model policies leading to research integrated practices
PSO 6	Develop socially conscious and responsible citizens who have an intelligent grasp of social issues and social delivery systems